

**The
Preparation and
Occupational
Pursuits of Teachers,
1982-83**

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HIGHLIGHTS

The 1982-83 data on the preparation of teachers indicate:

- * a decrease of 10.6 percent in the number of new teachers prepared with initial certification when compared to the number certified last year.
- * that there was a total of 6,414 new teachers consisting of 2,322 elementary, 1,189 secondary, 1,569 combined and 1,334 special education teachers.
- * that there was a 67.0 percent decrease in the number of new teachers certified this year compared to the number certified during 1971-72, the peak year.
- * that all types of preparation showed decreases in the numbers of new teachers. The number of elementary teachers dropped 5.1 percent, secondary dropped 14.2 percent, combined dropped 11.0 percent and special education dropped 15.6 percent from last year.
- * that all of the larger disciplines (general elementary, mentally/physically handicapped, health and physical education, music and social studies) showed decreases in the number of people prepared.

The November 1, 1983 data on occupational pursuits indicate:

- * that 38.1 percent of all new teachers were reported as "teaching"; 27.7 percent were reported as "not teaching" and 34.2 percent were reported as "no information" on their occupational pursuits.
- * that 71.3 percent of all newly employed teachers were reported as teaching in Pennsylvania.
- * that of the five largest disciplines, mentally/physically handicapped placed 45.3 percent, general elementary placed 43.8 percent, music placed 28.7 percent, social studies placed 28.3 percent and health and physical education placed 17.8 percent in teaching positions.

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INTRODUCTION

"The Preparation and Occupational Pursuits of Teachers, 1982-83" is one in a series of publications containing statistical summaries related to basic education, higher education and vocational education in Pennsylvania. The data contained in this publication reflect current year figures as well as trends on a variety of selected topics. In many instances, more detailed data is available.

Requests for more detailed data and questions or comments about the data should be addressed to the Pennsylvania Department of Education, Division of Data Services, 333 Market Street, Harrisburg, PA 17126-0333 (phone 717-787-2644).

Sources: Persons Completing Preparation for an Instructional I Certificate
in Pennsylvania, 1982-83 (PDE-4041)
Occupations of Persons Completing Preparation for an Instructional I
Certificate in Pennsylvania, 1982-83 (PDE-4042)

TABLE 1
TEACHERS PREPARED IN PENNSYLVANIA,
1973-74 THROUGH 1982-83

	Total All Teachers	Elementary Teachers	Secondary Teachers	Combined Teachers	Special Education Teachers
1973-74	17 944	7 303	5 053	3 877	1 711
1974-75	15 267	5 879	3 980	3 529	1 879
1975-76	13 152	4 856	3 253	3 300	1 743
1976-77	11 769	4 019	2 617	3 200	1 933
1977-78	11 443	3 991	2 701	3 016	1 735
1978-79	9 505	3 380	1 904	2 705	1 516
1979-80	8 444	2 996	1 602	2 379	1 467
1980-81	7 396	2 570	1 476	1 977	1 373
1981-82	7 173	2 446	1 385	1 762	1 580
1982-83	6 414	2 322	1 189	1 569	1 334

The total number of teachers prepared during the 1982-83 year continues to decline. The 1982-83 total, 6,414, is 33.0 percent of the 1971-72 total, the peak year in teacher preparation. The number of secondary teachers, 1,189, is only 18.0 percent of the number prepared during the 1971-72 year. This, along with declines in other areas, demonstrates the rising potential for teacher shortages in many areas.

FIGURE 1
TEACHERS PREPARED IN PENNSYLVANIA,
1973-74 THROUGH 1982-83

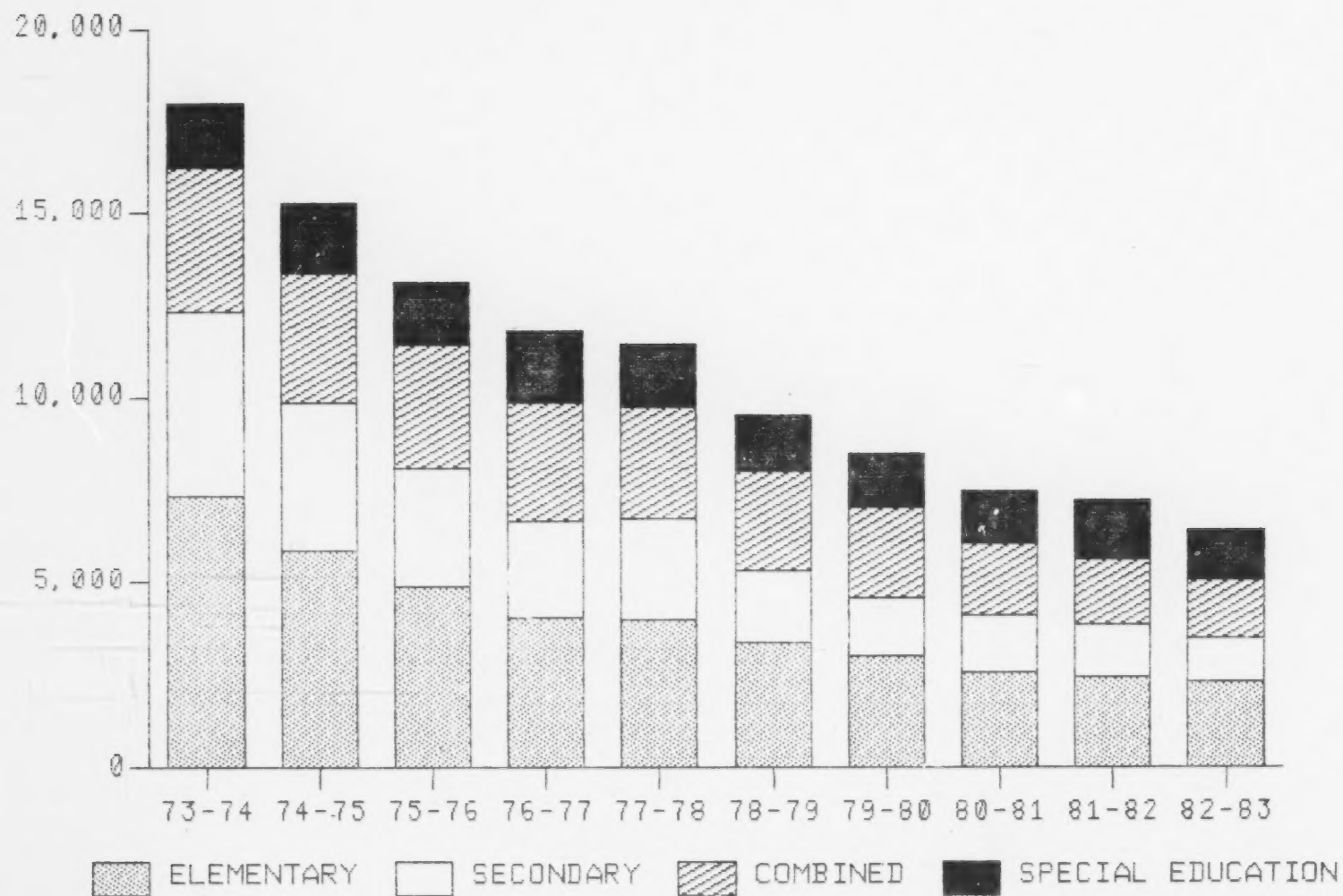


TABLE 2
A COMPARISON OF TEACHERS PREPARED TO THE NUMBER
REPORTED FINDING TEACHING POSITIONS,
1973-74 THROUGH 1982-83

	Total Prepared	Total Teaching
1973-74	17 944	8 141
1974-75	15 267	6 078
1975-76	13 152	4 790
1976-77	11 769	4 537
1977-78	11 443	4 483
1978-79	9 505	4 021
1979-80	8 444	3 598
1980-81	7 396	3 009
1981-82	7 173	2 606
1982-83	6 414	2 447

The number of teachers finding employment in the teaching profession has continued to decline at approximately the same rate as the number prepared. However, 34.2 percent of the people reported are listed under the "no information" heading (see Table 6, page 12). This lapse in follow-up by the preparing institutions allows one to draw the faulty conclusion that there is still a surplus of teachers.

FIGURE 2
A COMPARISON OF TEACHERS PREPARED
TO THE NUMBER REPORTED FINDING TEACHING POSITIONS,
1973-74 THROUGH 1982-83

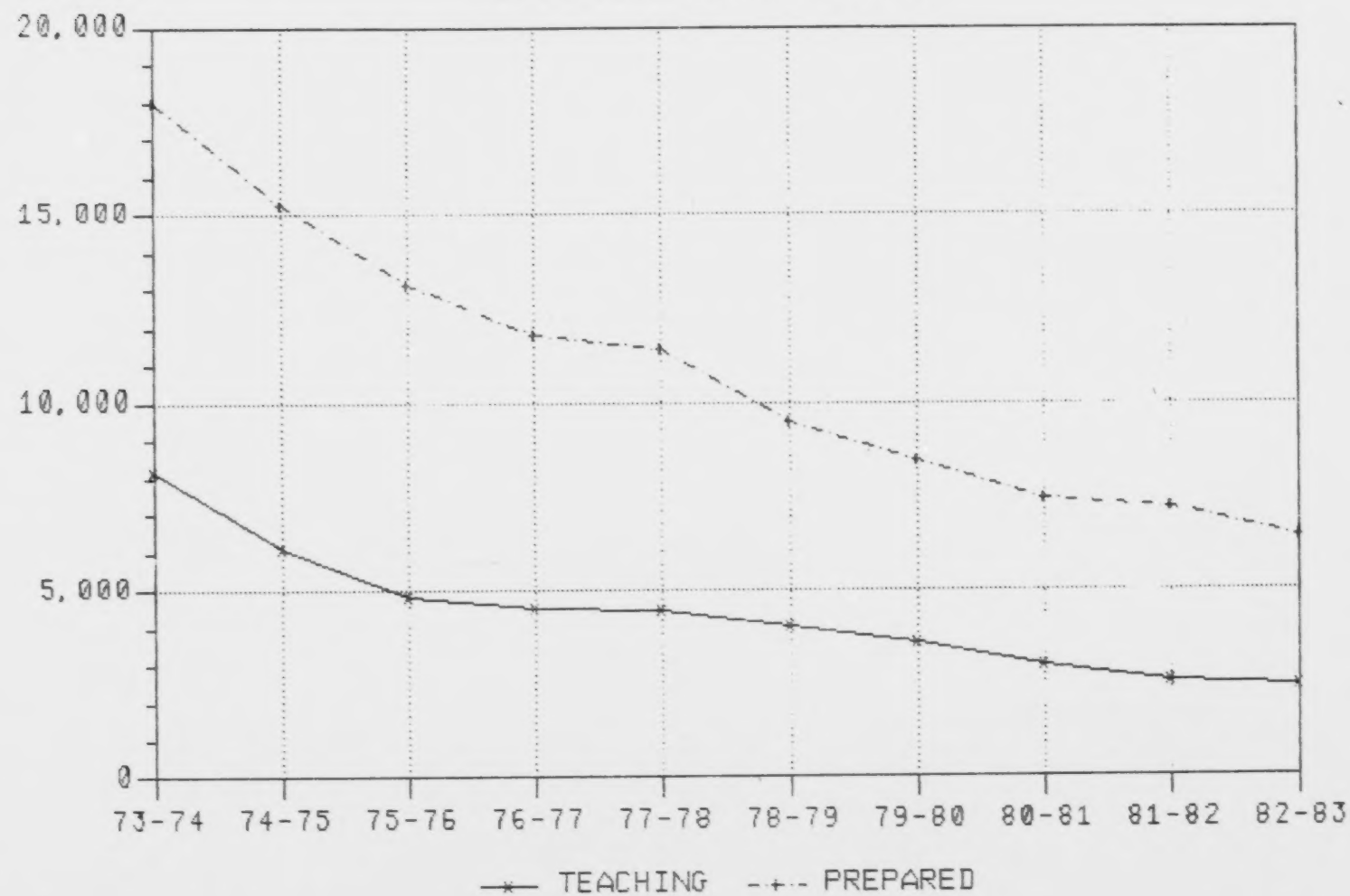


TABLE 3

TEACHERS PREPARED WITH INITIAL CERTIFICATION BY INSTITUTIONAL
CATEGORY, 1973-74 THROUGH 1982-83

	Total	State Universities	State-Related Commonwealth Universities	Private State-Aided Institutions	Private Colleges and Universities
1973-74	17 944	9 935	3 013	205	4 791
1974-75	15 267	8 419	2 404	210	4 234
1975-76	13 152	7 005	2 247	169	3 731
1976-77	11 769	6 344	2 263	132	3 030
1977-78	11 443	5 825	2 587	144	2 887
1978-79	9 505	5 151	1 965	101	2 288
1979-80	8 444	4 716	1 682	78	1 968
1980-81	7 396	4 173	1 393	57	1 773
1981-82	7 173	3 659	1 542	60	1 912
1982-83	6 414	3 419	1 224	51	1 720

Preparation of teachers has traditionally fallen on the shoulders of the state universities. For example, in 1973-74 the state universities prepared 55.4 percent of all those receiving initial certification. This current year the percentage has fallen to 53.3. The state-related universities have prepared 19.1 percent of these new teachers which compares to 16.8 percent in 1973-74. The private state-aided institutions have continued to have a smaller and smaller percentage of those initially prepared. Their percentage has fallen to 0.8 percent for this year, down from 1.1 percent in 1973-74. The private colleges and universities held their own in the percent of new teachers prepared. Currently they are preparing 26.8 percent of the new teachers which compares with 26.7 percent during the 1973-74 year.

Last year was unique in that three of the four categories of institutions showed an increase in the number of teachers prepared. This year the across-the-board declines became the rule again. Last year's "bottoming out" phenomenon appears to be just that.

FIGURE 3
TEACHERS PREPARED WITH INITIAL CERTIFICATION
BY INSTITUTIONAL CATEGORY, 1973-74 THROUGH 1982-83

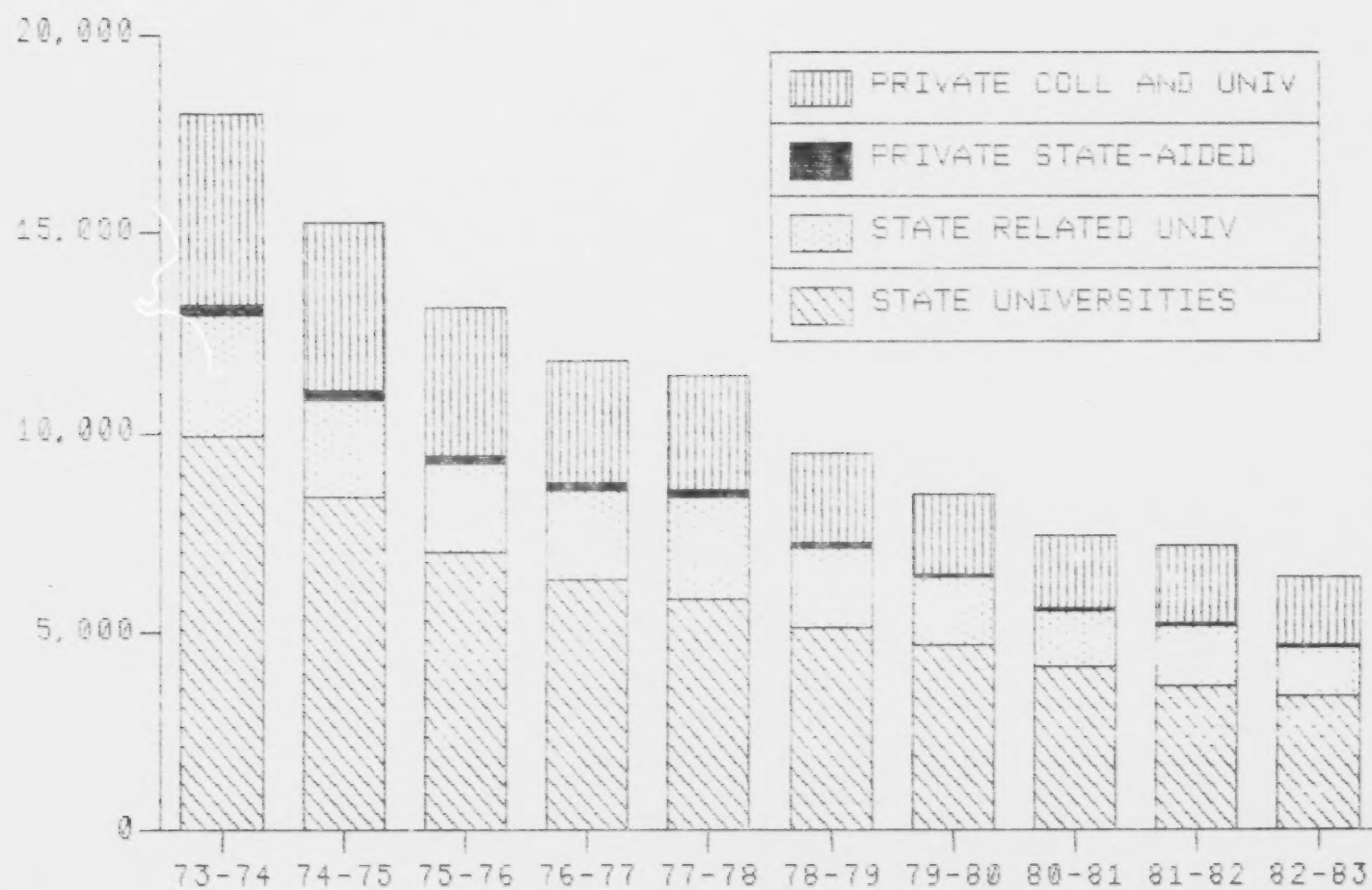


TABLE 4
ELEMENTARY, SECONDARY, COMBINED AND SPECIAL EDUCATION TEACHERS PREPARED WITH INITIAL
CERTIFICATION BY FIELD OF PREPARATION, 1973-74 THROUGH 1982-83

	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83
TOTAL, ALL FIELDS	17 944	15 267	13 152	11 769	11 443	9 505	8 444	7 396	7 173	6 414
ELEMENTARY	7 303	5 879	4 856	4 019	3 991	3 380	2 996	2 570	2 446	2 322
Elementary, General	7 303	5 879	4 856	4 019	3 505	2 896	2 371	2 020	1 927	1 823
Early Childhood	-	-	-	-	486	484	625	550	519	499
SECONDARY	5 053	3 980	3 253	2 617	2 701	1 904	1 602	1 476	1 385	1 189
Business Education	377	303	264	238	218	281	189	208	145	167
Communications	-	-	-	-	158	125	105	104	81	86
Distributive Education	27	-	-	-	31	-	-	-	23	-
English	1 220	898	760	527	488	317	264	242	209	194
Mathematics	841	672	492	348	334	198	178	158	162	146
Physics and Mathematics	-	-	-	-	11	7	7	10	20	2
Sciences, Total	(775)	(613)	(504)	(440)	(410)	(286)	(235)	(248)	(211)	(179)
Biology	383	286	265	254	242	160	127	146	115	111
Chemistry	121	80	66	51	58	33	26	25	34	22
Earth and Space	-	97	80	64	53	29	30	34	32	17
General	115	108	55	50	44	50	40	30	27	26
Physics	62	42	38	21	13	14	12	13	3	3
Science--Unspecified	94	-	-	-	-	-	-	-	-	-
Social Studies	1 632	1 315	1 043	833	695	569	489	369	370	283
Vocational Education	18	68	79	114	197	111	133	137	164	132
Other Secondary	163	111	111	117	159	10	2	-	-	-
COMBINED	3 877	3 529	3 300	3 200	3 016	2 705	2 379	1 977	1 762	1 569
Agriculture	23	31	24	28	44	22	45	35	46	27
Art	580	494	505	431	453	339	291	237	211	188
Foreign Languages, Total	(697)	(592)	(447)	(359)	(309)	(232)	(184)	(150)	(143)	(101)
French	233	226	169	112	104	69	49	44	44	34
German	102	78	85	62	42	37	26	21	20	11
Italian	-	-	-	-	11	6	5	6	4	2
Latin	16	11	17	12	7	3	7	5	7	4
Russian	18	13	5	7	7	2	3	-	-	1
Spanish	322	261	166	157	133	111	92	71	65	49
Other	6	3	5	9	5	4	2	3	3	-
Health	-	-	-	-	37	38	37	33	15	23
Health and Physical Education	1 286	1 201	1 130	1 177	898	894	841	697	620	597
Home Economics	419	321	309	330	245	192	149	103	95	62
Industrial Arts	296	262	250	240	241	264	236	162	135	161
Library Science	-	-	-	-	148	117	84	91	74	62
Music	576	628	635	635	641	607	512	469	423	348

TABLE 4
ELEMENTARY, SECONDARY, COMBINED AND SPECIAL EDUCATION TEACHERS PREPARED WITH INITIAL
CERTIFICATION BY FIELD OF PREPARATION, 1973-74 THROUGH 1982-83--Concluded

	' 1973-74 '	' 1974-75 '	' 1975-76 '	' 1976-77 '	' 1977-78 '	' 1978-79 '	' 1979-80 '	' 1980-81 '	' 1981-82 '	' 1982-83 '
SPECIAL EDUCATION ^{1/}	1 711	1 879	1 743	1 933	1 735	1 516	1 467	1 373	1 580	1 334
Hearing Impaired	-	-	-	-	46	26	34	39	43	33
Mentally/Physically Handicapped	-	-	-	-	1 296	1 106	1 095	1 030	1 205	1 011
Speech Correction	-	-	-	-	346	351	303	269	297	259
Visually Impaired	-	-	-	-	47	33	35	35	35	31

^{1/} Detail not available before 1977-78

TABLE 5
TEACHERS PREPARED WITH INITIAL CERTIFICATION BY TYPE OF PREPARATION
BY INSTITUTION, 1982-83

	Total All Teachers	Elementary Teachers	Secondary Teachers	Combined Teachers	Special Education Teachers
TOTAL, ALL INSTITUTIONS (83)	6 414	2 322	1 189	1 569	1 334
STATE UNIVERSITIES (14)	3 419	1 088	421	984	926
Bloomburg University	293	144	46	-	103
California University	174	72	12	45	45
Cheyney University	84	13	2	11	58
Clarion University	229	80	43	29	77
East Stroudsburg University	286	62	21	133	70
Edinboro University	228	88	42	48	50
Indiana University	395	98	59	115	123
Kutztown University	235	78	29	52	76
Lock Haven University	209	68	22	77	42
Mansfield University	99	25	15	36	23
Millersville University	304	75	20	113	96
Shippensburg University	139	76	56	7	-
Slippery Rock University	252	54	22	89	87
West Chester University	492	155	32	229	76
STATE-RELATED COMMONWEALTH UNIVERSITIES (4)	1 224	422	309	283	210
Lincoln University	19	6	3	10	-
The Pennsylvania State University	469	152	68	138	111
Temple University	530	175	178	104	73
University of Pittsburgh	206	89	60	31	26
PRIVATE STATE-AIDED INSTITUTIONS (4)	51	13	11	26	1
Drexel University	5	1	-	4	-
Philadelphia College of Art	11	-	-	11	-
Philadelphia College of the Performing Arts	10	-	-	10	-
University of Pennsylvania	25	12	11	1	1
PRIVATE COLLEGES AND UNIVERSITIES (60)	1 720	799	448	276	197
Albright College	16	-	10	6	-
Allegheny College	10	8	2	-	-
Allentown College of St. Francis de Sales	7	-	6	1	-
Alvernia College	9	7	2	-	-
Antioch University	45	32	-	-	13
Beaver College	33	11	2	5	15
Bryn Mawr College	2	-	2	-	-
Bucknell University	29	14	13	2	-
Cabrini College	51	32	1	-	18
Carlow College	31	14	6	3	8
Cedar Crest College	18	12	5	1	-
Chatham College	7	4	1	2	-
Chestnut Hill College	46	32	7	7	-
College Misericordia	49	21	5	14	9
Dickinson College	23	-	17	6	-
Duquesne University	95	26	17	23	29
Eastern College	16	11	4	1	-
Elizabethtown College	25	17	7	1	-
Franklin and Marshall College	7	-	7	-	-
Gannon University	23	5	16	1	1
Geneva College	46	32	13	1	-
Gettysburg College	48	22	9	17	-
Grove City College	69	39	24	6	-
Gwynedd-Mercy College	57	31	1	-	13
Holy Family College	29	23	4	2	-
Immaculata College	41	20	11	10	-
Juniata College	15	14	1	-	-
King's College	14	6	8	-	-
Lafayette College	14	6	8	-	-
LaSalle College	47	-	12	5	30
Lebanon Valley College	38	17	4	17	-
Lehigh University	21	4	3	-	14
Lycoming College	13	11	4	-	-
Marywood College	104	41	9	26	28
Mercyhurst College	49	19	6	5	19
Messiah College	69	35	15	19	-
Moore College of Art	6	-	-	6	-
Moravian College	29	16	9	4	-
Muhlenberg College	6	3	1	2	-
Neumann College	13	13	-	-	-
Point Park College	9	5	4	-	-

TABLE 5

TEACHERS PREPARED WITH INITIAL CERTIFICATION BY TYPE OF PREPARATION
BY INSTITUTION, 1982-83--Concluded

	Total All Teachers	Elementary Teachers	Secondary Teachers	Combined Teachers	Special Education Teachers
<u>PRIVATE COLLEGES AND UNIVERSITIES--Concluded</u>					
Robert Morris College	17	-	17	-	-
Rosemont College	14	14	-	-	-
St. Francis College	17	12	4	1	-
St. Joseph's University	36	24	10	2	-
St. Vincent College	5	-	5	-	-
Seton Hill College	34	21	5	8	-
Susquehanna University	31	-	16	15	-
Swarthmore College	10	-	10	-	-
Thiel College	11	6	5	-	-
University of Scranton	18	-	17	1	-
Ursinus College	18	-	11	7	-
Villa Maria College	18	17	1	-	-
Villanova University	36	-	11	25	-
Washington and Jefferson College	11	-	6	5	-
Waynesburg College	13	6	5	2	-
Westminster College	64	42	13	9	-
Widener University	27	13	12	2	-
Wilkes College	31	20	5	6	-
York College of Pennsylvania	28	21	7	-	-

TABLE 6

TEACHERS PREPARED WITH INITIAL CERTIFICATION BY TYPE OF PREPARATION
AND OCCUPATIONAL PURSUITS, 1973-74 THROUGH 1982-83

	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83
TOTAL, ALL TEACHERS	17 944	15 267	13 152	11 769	11 443	9 505	8 444	7 396	7 173	6 414
Teaching	8 141	6 078	4 790	4 537	4 483	4 021	3 598	3 003	2 606	2 447
In-State	6 280	4 726	3 743	3 352	3 319	2 951	2 595	2 160	1 904	1 744
Out-of-State	1 861	1 352	1 047	1 185	1 164	1 070	1 003	843	702	703
Not Teaching	6 367	5 795	5 509	4 412	3 254	2 658	2 255	2 073	1 930	1 774
Otherwise Gainfully Employed	2 185	1 865	1 777	1 641	1 365	1 079	898	870	637	691
Continuing Formal Study	745	762	686	638	497	476	484	395	441	390
Seeking Teaching Position	3 056	2 854	2 757	1 881	1 167	892	704	614	675	585
Seeking Non-Teaching Position	82	136	99	79	80	67	59	39	31	24
Other	299	178	190	173	145	144	110	155	146	84
No Information	3 436	3 394	2 853	2 820	3 706	2 826	2 591	2 320	2 637	2 193
ELEMENTARY	7 303	5 879	4 856	4 019	3 991	3 380	2 996	2 570	2 446	2 322
Teaching	3 317	2 279	1 669	1 536	1 638	1 490	1 409	1 074	977	1 015
In-State	2 567	1 836	1 341	1 159	1 226	1 124	1 043	788	759	750
Out-of-State	750	443	328	377	412	366	366	286	218	265
Not Teaching	2 510	2 123	2 133	1 561	1 169	968	805	737	721	646
Otherwise Gainfully Employed	752	611	591	509	431	355	291	246	200	236
Continuing Formal Study	214	175	206	166	153	107	131	112	109	92
Seeking Teaching Position	1 357	1 224	1 221	785	506	421	323	295	344	275
Seeking Non-Teaching Position	45	54	32	25	25	25	20	12	14	9
Other	142	59	83	76	54	60	40	72	54	34
No Information	1 476	1 477	1 054	922	1 184	922	782	759	748	661
SECONDARY	8 930	7 509	6 553	5 817	2 701	1 904	1 602	1 476	1 385	1 189
Teaching	3 681	2 795	2 289	2 031	1 018	806	614	533	473	433
In-State	2 845	2 163	1 771	1 533	794	625	476	440	378	332
Out-of-State	836	632	518	498	224	181	138	93	95	101
Not Teaching	3 544	3 114	2 864	2 397	724	541	463	403	350	298
Otherwise Gainfully Employed	1 348	1 088	1 025	989	345	243	189	209	140	125
Continuing Formal Study	465	480	397	384	124	103	97	69	78	65
Seeking Teaching Position	1 557	1 373	1 287	897	198	144	133	88	107	84
Seeking Non-Teaching Position	37	72	62	50	24	18	12	11	6	3
Other	137	101	93	77	33	33	32	26	19	21
No Information	1 705	1 600	1 400	1 389	959	557	525	540	562	458
COMBINED ^{1/}	-	-	-	-	3 016	2 705	2 379	1 977	1 762	1 569
Teaching	-	-	-	-	1 047	900	812	662	533	451
In-State	-	-	-	-	761	645	581	464	365	314
Out-of-State	-	-	-	-	286	255	231	198	168	137
Not Teaching	-	-	-	-	1 054	851	716	642	518	493
Otherwise Gainfully Employed	-	-	-	-	474	397	322	310	208	224
Continuing Formal Study	-	-	-	-	148	155	159	123	112	98
Seeking Teaching Position	-	-	-	-	369	240	186	167	139	150
Seeking Non-Teaching Position	-	-	-	-	24	23	25	13	10	7
Other	-	-	-	-	39	36	24	29	49	14
No Information	-	-	-	-	915	954	851	673	711	625
SPECIAL EDUCATION	1 711	1 879	1 743	1 933	1 735	1 516	1 467	1 373	1 580	1 334
Teaching	1 143	1 004	832	970	780	825	763	734	623	548
In-State	868	727	631	660	538	557	495	468	402	348
Out-of-State	275	277	201	310	242	268	268	266	221	200
Not Teaching	313	553	512	454	307	298	271	291	341	337
Otherwise Gainfully Employed	85	166	161	143	115	84	96	105	89	106
Continuing Formal Study	66	107	83	88	72	111	97	91	142	135
Seeking Teaching Position	142	257	249	199	94	87	62	64	85	76
Seeking Non-Teaching Position	-	10	5	4	7	1	2	3	1	5
Other	20	18	14	20	19	15	14	28	24	15
No Information	255	317	399	509	648	393	433	348	616	449

^{1/} Detail not available until 1977-78. Combined teachers were included with secondary teachers prior to 1977-78.

TABLE 7

OCCUPATIONS, ON NOVEMBER 1, 1983, OF TEACHERS INITIALLY PREPARED BY FIELD OF PREPARATION, 1982-83

	TEACHING			NOT TEACHING						No Infor- mation
	All	In- State	Out- of- State	All	Otherwise Gainfully Employed	Continuing Formal Study	Seeking Teaching Position	Seeking Non- Teaching Position	Other	
GRAND TOTAL	2 447	1 744	703	1 774	691	390	585	24	84	2 193
ELEMENTARY--Total	1 015	750	265	646	236	92	275	9	34	661
Elementary, General	798	588	210	519	196	77	210	8	28	506
Early Childhood	217	162	55	127	40	15	65	1	6	155
SECONDARY--Total	433	332	101	298	125	65	84	3	21	458
Accounting	9	8	1	1	1	-	-	-	-	6
Biology	47	29	18	31	7	6	15	-	3	33
Chemistry	11	10	1	3	-	2	1	-	-	8
Communications	24	18	6	31	13	4	13	1	-	31
Data Processing	14	14	-	6	4	2	-	-	-	2
Distributive Education	5	4	1	7	4	-	1	-	2	25
Earth and Space Science	5	4	1	3	2	-	-	-	1	9
English	89	65	24	58	22	20	14	-	2	47
General Science	9	9	-	6	1	1	3	-	1	11
Marketing	1	1	-	3	3	-	-	-	-	3
Mathematics	86	70	16	21	10	6	2	-	3	39
Physics	1	1	-	-	-	-	-	-	-	2
Physics and Mathematics	2	1	1	-	-	-	-	-	-	-
Secretarial	32	27	5	19	12	-	6	-	1	28
Social Studies	80	54	26	109	46	24	29	2	8	94
Typewriting	6	6	-	-	-	-	-	-	-	-
Vocational Education	12	11	1	-	-	-	-	-	-	120
COMBINED--Total	451	314	137	493	224	98	150	7	14	625
Agriculture	8	6	2	9	6	1	2	-	-	10
Art	68	53	15	31	22	5	22	1	1	69
Foreign Languages	34	27	7	26	6	9	10	-	1	41
Health	1	-	1	7	3	2	2	-	-	15
Health and Physical Education	106	50	56	241	104	40	83	5	9	250
Home Economics	27	19	8	10	6	1	3	-	-	25
Industrial Arts	60	47	13	40	29	7	3	1	-	61
Library Science	47	40	7	14	10	4	-	-	-	1
Music	100	72	28	95	38	29	25	-	3	153
SPECIAL EDUCATION--Total	548	348	200	337	106	135	76	5	15	449
Hearing Impaired	14	5	9	8	3	3	2	-	-	11
Mentally/Physically Handicapped	458	309	149	195	84	37	58	4	12	358
Speech Correction	55	26	29	130	18	93	16	1	2	74
Visually Impaired	21	8	13	4	1	2	-	-	1	6

NOTE: Graduates in business education are certified by individual subject area (accounting, data processing, marketing, secretarial, and typewriting) with most or all people receiving multiple certificates. For this reason, these graduates have, in many cases, been arbitrarily placed in a particular subject area by the reporting institutions.

GLOSSARY

COMBINED--Includes persons prepared for assignment at any grade level (K-12). Does not include those prepared for teaching in special education classes or those prepared for elementary (K-6) or secondary (7-12) certificates.

ELEMENTARY--Includes persons prepared for the regular elementary certificate (K-6) or the early childhood certificate (N-3). Does not include those prepared for teaching in special education classes or those prepared for combined (K-12) certificates.

INSTRUCTIONAL I--The initial teaching certificate awarded to those who are qualified to enter the teaching profession. The certificate expires after the completion of six years of teaching experience.

SECONDARY--Includes persons prepared for assignments in junior and/or senior high school (7-12). Does not include those prepared for teaching in special education classes or those prepared for combined (K-12) certificates.

SPECIAL EDUCATION--Includes persons prepared with the minimum certification requirements (or professional requirements) for entering assignments to teach the mentally deficient, deaf or hard of hearing, visually handicapped, speech handicapped, orthopedically handicapped, gifted and talented, emotionally disturbed, educationally disadvantaged, severely underachieving and other pupils with characteristics which require special training competencies.

VOCATIONAL EDUCATION--Includes persons who are certified to teach in areas of trade and industrial (occupational) education. Does not include industrial arts teachers (certificate code 6000).